

DERWENT-ACC-NO: 1981-43738D

DERWENT-WEEK: 198124

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TITLE: Lubricant-coolant for mechanically working
crystalline materials - contains copolymer of acrylic! acid
and hexa-allyl! saccharose or tetra-allyl
pentaerythritol, alkali, glycerol and water

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PRIORITY-DATA: 1978SU-2701130 (November 3, 1978)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE |
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ABSTRACTED-PUB-NO: SU 767181B

BASIC-ABSTRACT:

Coolant-lubricant for mechanically working crystalline materials, e.g. sapphire, ruby, aluminas etc. used in optics and electronics, comprises (in wt.%): glycerine 0.05-0.5, a copolymer (I) of acrylic acid and hexa-allyl saccharose or tetra-allyl pentaerythritol 0.05-0.75, NaOH or KOH 0.1-0.5 and water to 100. Inclusion of (I) increases the efficiency and wear-resistance of the polishing instrument.